

## P016330GB seq listing.ST25.txt

## SEQUENCE LISTING

<110> Cyclacel Ltd

<120> Polypeptides

<130> P016330WO IJF

<150> GB0402904.7

<151> 2004-02-10

<160> 4

<170> PatentIn version 3.0

<210> 1

<211> 1059

<212> DNA

<213> Artificial

<220>

<223> expression construct

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gaaggacaac gtgggtggacc tatccttgca ccagaggaga ttaagactat ttttgttagc		180
atccccagata tctttgatgt acacactaag ataaaggatg atcttgaaga ccttatagtt		240
aattggatg agagcaaaag cattggtgac attttctga aatattcaaa agattggta		300
aaaaccttacc ctccccttgt aaactcttt gaaatgagca aggaaacaat tattaaatgt		360
aaaaaacaga aaccaagatt tcatgtttt ctcaagataa accaagcaaa accagaatgt		420
ggacggcaga gccttgttga acttcttatac cgaccagtac agaggttacc cagtgttgca		480
ttacttttaa atgatcttaa gaagcataca gctgatgaaa atccagacaa aagcacttta		540
aaaaaaagcta ttggatcaact gaaggaagta atgacgcata ttaatgagga taagagaaaa		600
acagaagctc aaaagcaaat ttttgcgtt gtttatgaag tagatggatg cccagctaat		660

## P016330GB seq listing.ST25.txt

ctttatctt ctcaccgaag cttagtacag cgggttgaaa caatttcttctt	720
ccctgtgaca gaggagaaca agtaactctc ttcctcttca atgattgcct agagatagca	780
agaaaacggc acaaggttat tggcactttt aggagtccctc atggccaaac ccgaccccca	840
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agagagacag aagattgcca taatgctttt gccttgcttg tgaggccacc aacagagcag	960
gcaaatgtgc tactcagttt ccagatgaca tcagatgaac ttccaaaaga aaactggcta	1020
aagatgctgt gtcgacatgt agctaaccacc atttgtaaa	1059

&lt;210&gt; 2

&lt;211&gt; 1305

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Expression construct

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ccttcaaagc agtcagcaag gtggcaagtt gcaaaagagc tttatcaaac tgaaagtaat	180
tatgttaata tattggcaac aattattcag ttatccaaag taccattgga agaggaagga	240
caacgtggtg gacctatcct tgcaccagag gagattaaga ctatccccatgg tagcatccca	300
gatatctttg atgtacacac taagataaaag gatgtatctt aagacccat agttaattgg	360
gatgagagca aaagcattgg tgacatccccatgg gatgtatccatgg ctttccatgg	420
taccccccct ttgtaaactt ctttccatgg agcaaggaaa caattattaa atgtgaaaaaa	480
cagaaaccaa gatttcatgc ttttccatgg ataaaccaag caaaaccaga atgtggacgg	540
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gctattggat cactgaagga agtaatgacg catattaatg aggataagag aaaaacagaa	720
gctcaaaagc aaatccccatgg ttttccatgg gatgtatccatgg gatgtatccatgg	780
tcttccatgg agcaaggaaa caattattaa atgtgaaaaaa	840
gacagaggag aacaagtaac ttttccatgg ttttccatgg gatgtatccatgg	900
cgccacaagg ttattggcac ttttccatgg gatgtatccatgg gatgtatccatgg	960
cttaagcata ttcacccataat gcctcttctt ctttccatgg gatgtatccatgg	1020
acagaagatt gccataatgc ttttccatgg gatgtatccatgg gatgtatccatgg	1080

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gtgctactca gtttccagat gacatcagat gaacttccaa aagaaaactg gctaaagatg 1140  
 ctgtgtcgac atgttagctaa caccatttgt aaagcaaggg cgaattcgcg gccgcactcg 1200  
 agatatctag acccagctt cttgtacaaa gtggttgatt cgaggctgct aacaaagccc 1260  
 gaaaggaagc tgagttggct gctgccaccg ctgagcaata actag 1305

&lt;210&gt; 3

&lt;211&gt; 353

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Expressed protein

&lt;400&gt; 3

Pro	Val	Pro	Ser	Lys	Gln	Ser	Ala	Arg	Trp	Gln	Val	Ala	Lys	Glu	Leu
1				5				10					15		

Tyr	Gln	Thr	Glu	Ser	Asn	Tyr	Val	Asn	Ile	Leu	Ala	Thr	Ile	Ile	Gln
			20				25					30			

Leu	Phe	Gln	Val	Pro	Leu	Glu	Glu	Gly	Gln	Arg	Gly	Gly	Pro	Ile
	35				40				45					

Leu	Ala	Pro	Glu	Glu	Ile	Lys	Thr	Ile	Phe	Gly	Ser	Ile	Pro	Asp	Ile
	50				55				60						

Phe	Asp	Val	His	Thr	Lys	Ile	Lys	Asp	Asp	Leu	Glu	Asp	Leu	Ile	Val
	65				70			75			80				

Asn	Trp	Asp	Glu	Ser	Lys	Ser	Ile	Gly	Asp	Ile	Phe	Leu	Lys	Tyr	Ser
		85					90				95				

Lys	Asp	Leu	Val	Lys	Thr	Tyr	Pro	Pro	Phe	Val	Asn	Phe	Phe	Glu	Met
		100					105				110				

Ser	Lys	Glu	Thr	Ile	Ile	Lys	Cys	Glu	Lys	Gln	Lys	Pro	Arg	Phe	His
	115				120				125						

Ala	Phe	Leu	Lys	Ile	Asn	Gln	Ala	Lys	Pro	Glu	Cys	Gly	Arg	Gln	Ser
	130				135				140						

Leu	Val	Glu	Leu	Leu	Ile	Arg	Pro	Val	Gln	Arg	Leu	Pro	Ser	Val	Ala
145				150				155			160				

Leu	Leu	Leu	Asn	Asp	Leu	Lys	Lys	His	Thr	Ala	Asp	Glu	Asn	Pro	Asp
				165				170			175				

Lys	Ser	Thr	Leu	Glu	Lys	Ala	Ile	Gly	Ser	Leu	Lys	Glu	Val	Met	Thr
	180				185					190					

His	Ile	Asn	Glu	Asp	Lys	Arg	Lys	Thr	Glu	Ala	Gln	Lys	Gln	Ile	Phe
	195				200				205						

Asp	Val	Val	Tyr	Glu	Val	Asp	Gly	Cys	Pro	Ala	Asn	Leu	Leu	Ser	Ser
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210	215	220
His Arg Ser Leu Val Gln Arg Val Glu Thr Ile Ser Leu Gly Glu His		
225	230	235 240
Pro Cys Asp Arg Gly Glu Gln Val Thr Leu Phe Leu Phe Asn Asp Cys		
	245	250 255
Leu Glu Ile Ala Arg Lys Arg His Lys Val Ile Gly Thr Phe Arg Ser		
	260	265 270
Pro His Gly Gln Thr Arg Pro Pro Ala Ser Leu Lys His Ile His Leu		
	275	280 285
Met Pro Leu Ser Gln Ile Lys Lys Val Leu Asp Ile Arg Glu Thr Glu		
	290	295 300
Asp Cys His Asn Ala Phe Ala Leu Leu Val Arg Pro Pro Thr Glu Gln		
305	310	315 320
Ala Asn Val Leu Leu Ser Phe Gln Met Thr Ser Asp Glu Leu Pro Lys		
	325	330 335
Glu Asn Trp Leu Lys Met Leu Cys Arg His Val Ala Asn Thr Ile Cys		
	340	345 350

**Lys**

<210> 4  
<211> 434  
<212> PRT  
<213> Artificial

&lt;220&gt;

<223> Expressed protein  
<400> 4

Met Ser Tyr Tyr His His His His His His Leu Glu Ser Thr Ser Leu			
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Tyr Lys Lys Ala Gly Ser Leu Lys Glu Pro Ile Gln Ser Thr Gly Ser			
20	25	30	
Gly Thr Glu Phe Ala Leu Pro Val Pro Ser Lys Gln Ser Ala Arg Trp			
35	40	45	
Gln Val Ala Lys Glu Leu Tyr Gln Thr Glu Ser Asn Tyr Val Asn Ile			
50	55	60	
Leu Ala Thr Ile Ile Gln Leu Phe Gln Val Pro Leu Glu Glu Gly			
65	70	75	80
Gln Arg Gly Gly Pro Ile Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe			
85	90	95	
Gly Ser Ile Pro Asp Ile Phe Asp Val His Thr Lys Ile Lys Asp Asp			
100	105	110	

## P016330GB seq listing.ST25.txt

Leu Glu Asp Leu Ile Val Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp  
 115 120 125

Ile Phe Leu Lys Tyr Ser Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe  
 130 135 140

Val Asn Phe Phe Glu Met Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys  
 145 150 155 160

Gln Lys Pro Arg Phe His Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro  
 165 170 175

Glu Cys Gly Arg Gln Ser Leu Val Glu Leu Leu Ile Arg Pro Val Gln  
 180 185 190

Arg Leu Pro Ser Val Ala Leu Leu Asn Asp Leu Lys Lys His Thr  
 195 200 205

Ala Asp Glu Asn Pro Asp Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser  
 210 215 220

Leu Lys Glu Val Met Thr His Ile Asn Glu Asp Lys Arg Lys Thr Glu  
 225 230 235 240

Ala Gln Lys Gln Ile Phe Asp Val Val Tyr Glu Val Asp Gly Cys Pro  
 245 250 255

Ala Asn Leu Leu Ser Ser His Arg Ser Leu Val Gln Arg Val Glu Thr  
 260 265 270

Ile Ser Leu Gly Glu His Pro Cys Asp Arg Gly Glu Gln Val Thr Leu  
 275 280 285

Phe Leu Phe Asn Asp Cys Leu Glu Ile Ala Arg Lys Arg His Lys Val  
 290 295 300

Ile Gly Thr Phe Arg Ser Pro His Gly Gln Thr Arg Pro Pro Ala Ser  
 305 310 315 320

Leu Lys His Ile His Leu Met Pro Leu Ser Gln Ile Lys Lys Val Leu  
 325 330 335

Asp Ile Arg Glu Thr Glu Asp Cys His Asn Ala Phe Ala Leu Leu Val  
 340 345 350

Arg Pro Pro Thr Glu Gln Ala Asn Val Leu Leu Ser Phe Gln Met Thr  
 355 360 365

Ser Asp Glu Leu Pro Lys Glu Asn Trp Leu Lys Met Leu Cys Arg His  
 370 375 380

Val Ala Asn Thr Ile Cys Lys Ala Arg Ala Asn Ser Arg Pro His Ser  
 385 390 395 400

Arg Tyr Leu Asp Pro Ala Phe Leu Tyr Lys Val Val Asp Ser Arg Leu  
 405 410 415

Leu Thr Lys Pro Glu Arg Lys Leu Ser Trp Leu Leu Pro Pro Leu Ser  
 420 425 430

Asn Asn